

# Smith & Hawken®

## FURNITURE INFORMATION GUIDE





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# SMITH & HAWKEN TEAK FURNITURE

## About Teak

*Tectona Grandis: Teak, n. A tree of East Indies origin which produces an extremely strong and durable timber highly valued for furniture and shipbuilding.*

Teak's benefits are not the invention of marketing departments and furniture companies. Teak is a natural resource that is perfectly suited for building outdoor furniture because it can withstand any type of weather that it's exposed to.

## What's so special about teak?

- Teak is a dense hardwood with a very tight cell structure. This makes it incredibly stable and strong which means it won't warp, shrink or crack when exposed to the elements.
- Teak wood also contains high levels of oil. The older the tree, the more oil it contains. Oil is a natural moisture repellent which allows the wood to dry very quickly meaning that it won't rot like other woods can if left outdoors.
- The greatest testament to the strength of teak is that it is the material of choice for shipbuilders. It withstands the constant salt spray, sunlight and squalls of the ocean without weakening, splitting or splintering.



## Where does teak come from?

- Teak is grown in Indonesia as well as India, Thailand, Myanmar, Laos, Costa Rica, Brazil, Panama and Africa.
- It takes 20-25 years for a tree to mature, making it a precious resource that must be carefully propagated—and properly procured.
- Some of the world's teak wood originates from threatened forests or rainforests. The only responsible way to purchase teak is to select wood from plantations where teak trees are planted (and replanted) in a sustainable environment. Indonesia is a leader in ecologically-farmed teak wood.

## Smith & Hawken Teak

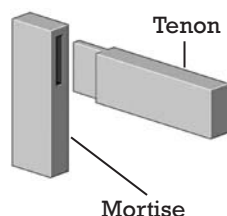
Smith & Hawken has over 25 years of experience in purchasing and using teak wood for our quality furniture and accessories.

- We begin with environmentally farmed plantation teak from the island of Java in Indonesia where sustainable teak production and replanting are stringently enforced by a government entity. For every tree cut, a new tree is planted. Many of the trees we use are over 80 years old.
- We sell only teak wood guaranteed to have been responsibly harvested—never wood from suppliers who engage in the practice of forest clear-cutting.
- On Java, harvesting and replanting occur in 30-40 year cycles to ensure that this precious natural resource continues to thrive. Smith & Hawken will accept no alternative.
- We choose only the highest grade heartwood—wood from the center of the tree, containing no sapwood. Heartwood is the strongest and most durable part of the tree.
- We insist on straight, true grain for its added resistance to splitting and cracking. Our teak has a tight grain, uniform color, and no knots.
- Smith & Hawken teak is kiln-dried to reduce its moisture content to 8-12%, eliminating any shrinkage or expansion that could stress furniture joints.

## Smith & Hawken Premium™ Teak Furniture

We use the highest quality teak to create finely crafted outdoor furniture that will endure decade to decade. Our designs range from contemporary to classic, casual to formal, but each prioritizes comfort and function: our furniture is made for a lifetime of use and enjoyment.

- Our teak furniture is constructed of timber milled to our specifications, resulting in pieces that are more substantial than many of our competitors'. Our furniture lasts longer and is a better value.
- We design furniture with traditional wood joinery, including **mortises** and **tenons** that lock together like interlaced fingers and wooden dowels that can expand and contract in response to weather conditions, without stressing joints. These joineries are created with high precision machinery to ensure the best fit, protecting against the infiltration of water or humidity that might otherwise affect the life of the furniture. This is the most sound-construction available in the market.
- Furniture sections are hand-sanded before being assembled.
- Each piece of furniture is pre-assembled before boxing and shipping to ensure that holes line up exactly; all hardware fits into place in a short time using only a mallet and screwdriver. Each furniture piece comes with its own assembly instructions.
- We use a variety of weather-resistant brass hardware and screws that will not rust with exposure to rain and snow.
- The teak we offer in our stores, our catalog, and on our web site is exactly the same as the furniture we sell to architects, business, and commercial institutions. Since it is crafted to stand up to rigorous service in public spaces, our furniture will endure daily use at home. It far outlasts plastic or softwood furniture, making it a better value over time and a better use of the world's resources.



## Caring for Smith & Hawken Teak Furniture

- Teak may be left outdoors year-round in all climates.
- The surface of teak wood will weather to a silver-grey color, protecting the heartwood beneath.

- The wood can be easily cleaned using a soft bristled brush, mild soap and water. Never power wash teak furniture.
- To restore teak to its original color, Smith & Hawken Teak Cleaner removes mildew spots and dirt as it brightens the surface to a honey tone.
- To preserve the color of new or newly cleaned teak, apply Smith & Hawken Teak Protector. Test the protector in an unobtrusive spot to ensure the effect is to your liking. Apply Teak Protector twice each year: once at the beginning and once at the end of the season.



New	6 Months	1 Year		
	☼ ☼	☼ ☼ ☼ ☼	<b>The rate of weathering varies with climate</b>	
				<p>Teak Cleaner removes the effects of weathering, dirt and fungal growth.</p>
				<p>Teak Protector helps maintain the golden-brown color of new teak over a longer period of time.</p>
			<p>Teak Patinizer enhances the natural beauty of weathered grey teak.</p>	

- To maintain teak's weathered look, Smith & Hawken Patinizer keeps the grey a silvery hue.
- We do not recommend painting or varnishing the furniture. Paint may not adhere properly due to teak's high oil content, and varnish requires constant maintenance to prevent cracking and peeling.
- The ends of the furniture have been treated with a protective lacquer to retard checking as the wood weathers. The lacquer will wear off gradually. **"Checking"** is the opening of the grain as a result of changes in temperature and humidity; minor checking is a natural process and does not affect the structural integrity or strength of the furniture.
- Mold and mildew can be removed by wiping the surface with a four-to-one solution of water and chlorine bleach. Please note that this solution will lighten the wood where it is applied; in time, the teak will weather to an even hue.
- When teak furniture is not in use, consider using Smith & Hawken furniture covers. Offered at exceptional prices, these durable tarps protect outdoor tables and chairs from rain, snow, sun, tree sap, birds and leaf stains. They're sewn from tough, waterproof vinyl, lined with 12-gauge polyester and reinforced with heat-sealed seams. Each cover is tailored to the dimensions of tables we sell; the covers fit other standard sets as well. Vented to prevent mildew, the covers have ties for wind-resistant closure.





# SMITH & HAWKEN METAL FURNITURE

## About Metal

Metal makes for great garden furniture. It is low-maintenance and weather-resistant and may be poured, pushed, hammered, or bent into various shapes and styles. Smith & Hawken metal furniture is extremely durable and always comfortable.

## THE METALS WE USE:

### Aluminum

- Aluminum is a naturally rust-resistant metal that endures the elements without corroding.
- Aluminum is lightweight but sturdy which makes it a perfect material for building outdoor furniture.
- The lightweight nature of aluminum furniture also means it's easy to move.
- Our high-quality aluminum furniture is constructed of extruded aluminum tube or cast aluminum.
- Extruded aluminum tubing is made when heated aluminum is pushed through a die to create a tubular shaped part.
- Although aluminum is one-third the weight of copper, brass or steel, the extrusion process results in a very strong piece, because it can distribute the desired thickness of metal to where it is needed.
- Cast aluminum means that melted aluminum is poured into a mold to create the desired shape.
- The casting process allows for more detailing in the design of metal furniture. Smith & Hawken uses only original, hand-carved molds.

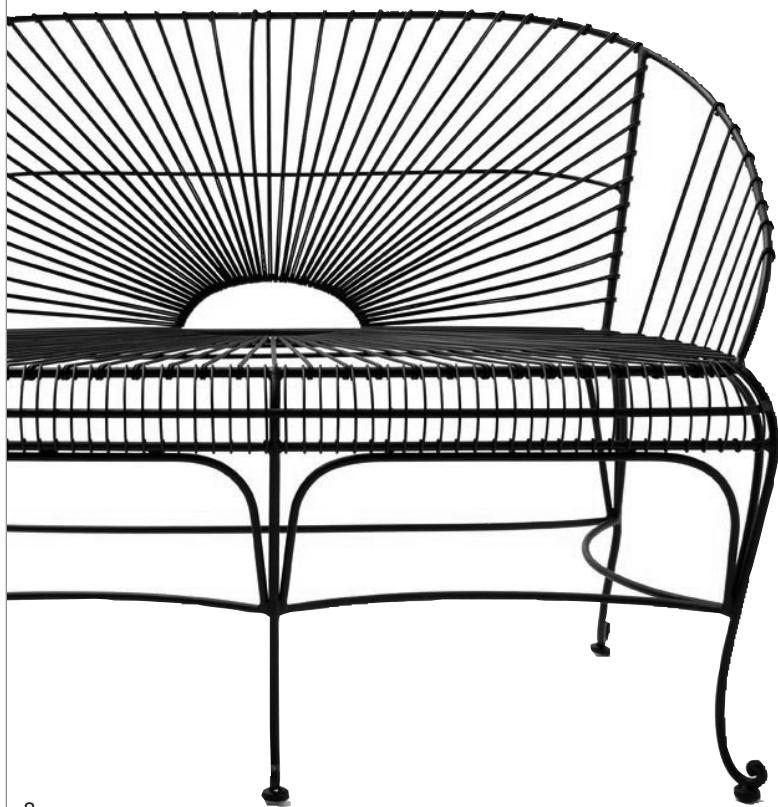
### Steel

- Steel is a hard, strong metal that resists fracture despite exposure to the elements.
- Steel is extremely durable and long-lasting.

- For all its rigidity, steel is also very malleable, allowing it to be forged into different shapes and styles for a wide range of furniture designs.
- Smith & Hawken steel furniture is hand-forged, meaning that the metal is heated and then hammered and bent into the desired shape and form by master craftsmen.

## Wrought Iron

- Wrought iron owes its rust-proof properties to its fibrous nature, which resists corrosion despite exposure to the elements.
- Smith & Hawken wrought iron furniture is hand-forged, meaning that the iron is heated and then hammered and bent into the desired shape and form by master craftsmen. This hand-forging allows for different styles and strong, sturdy furniture.
- The classic, vintage-inspired look of our wrought iron furniture makes it an excellent choice for many outdoor settings.



## Smith & Hawken Metal Furniture

Our metal furniture offers a range of design options—from replicating the look of centuries-old park furniture to creating streamlined contemporary styles. Contoured chair seats and backs create inviting spots to linger—with or without cushions. Precision construction means that some of our metal furniture styles are conveniently stackable.

- In some instances, Smith & Hawken metal furniture is given a powder coating to make it impervious to the elements.
- Our powder coatings are either sprayed or baked on (a baked-on powder coat is most complete way to coat a piece of metal).
- Smith & Hawken metal furniture pieces are heavier-duty than competitors, often using more metal per piece for a more durable, substantial result.
- Certain styles of our metal furniture are hand-welded and given hand-applied finishes and accents that avoid a 'sprayed-on' factory look.

## Caring for Smith & Hawken Metal Furniture

- Protect metal furniture in inclement weather by using a furniture cover or moving to a sheltered location.
- Wash with hose and mild soap, and make sure furniture dries thoroughly.
- When metal furniture is not in use, consider using Smith & Hawken furniture covers. Offered at exceptional prices, these durable tarps protect outdoor tables and chairs from rain, snow, sun, tree sap, birds and leaf stains. They're sewn from tough, waterproof vinyl, lined with 12-gauge polyester and reinforced with heat-sealed seams. Each cover is tailored to the dimensions of tables we sell; the covers fit other standard sets as well. Vented to prevent mildew, the covers have ties for wind-resistant closure.

# SMITH & HAWKEN ALL-WEATHER WICKER FURNITURE

## About All-Weather Wicker

The traditional look and casual elegance of wicker means that it's perfectly at home outdoors. We've retained the timeless appeal of this furniture and improved its longevity with modern materials that can endure seasons of sun, wind and rain—making it truly ideal outdoor furniture.

## Smith & Hawken All-Weather Wicker Furniture

- Smith & Hawken all-weather wicker is made from high-density polyethylene (resin) that is mildew resistant and less likely to stretch than conventional natural fiber wicker.
- It resists fading, soil, scratches, splitting and wear, and perseveres in the even the most severe weather.
- Smith & Hawken all-weather wicker is solution dyed, meaning that the color is part of the actual formula. It is not sprayed on after the fact so it will not flake off or chip.
- Our all-weather wicker is always woven over sturdy, rust-proof aluminum or galvanized steel frames.
- Smith & Hawken all-weather wicker furniture is hand-woven and hand-tied (it may take up to 2-3 days to weave a single dining chair).

## Caring for Smith & Hawken All-Weather Wicker Furniture

- Wipe with a damp cloth or hose off on the lawn and allow to dry.
- When all-weather wicker furniture is not in use, consider using Smith & Hawken furniture covers. Offered at exceptional prices, these durable tarps protect outdoor tables and chairs from rain, snow, sun, tree sap, birds and leaf stains. They're sewn from tough, waterproof vinyl, lined with 12-gauge polyester and reinforced with heat-sealed seams. Each cover is tailored to the dimensions of tables we sell; the covers fit other standard sets as well. Vented to prevent mildew, the covers have ties for wind-resistant closure.



# SMITH & HAWKEN UMBRELLAS

Superior materials and construction distinguish our sturdy custom-made umbrellas from those of competitors, delivering unsurpassed value over years of use. Our long-lasting umbrellas are available in a wide variety of sizes, materials and colors.

## Materials

- Poles are constructed from ecologically farmed hardwood or precision-machined aluminum.
- Canopies are sewn from heavy-duty, fade-resistant Sunbrella® fabric. Sunbrella fabric is made from tough acrylic fibers that resist stains and mildew. Fabric is made using 100% solution-dyed yarns, so the color can't fade or wash out.
- Hardware is aluminum, stainless steel and brass to resist rust.

## Construction - Hardwood

- Double-reinforced pockets secure the ribs to the canopy.
- Canopy is vented to deflate gusts of wind.
- The hardwood pole and ribs are linked by solid brass hardware.
- Extra strength-wire connects the ribs to the hand-turned hub.
- Extra thick rope and wooden handles make it easy to raise the canopy on the solid brass pulley system.
- All the solid brass connector hardware is engineered for strength and durability.
- The wood is specially finished to complement our teak furniture.



## Construction – Aluminum

- Poles are precision-machined, anodized aluminum.
- Heavy-duty ribs supply a sturdy structure.
- A unique tilting mechanism tips the vented canopy up to 35 degrees, so you can stay in the shade as the sun moves.
- A hand crank makes opening and closing the umbrella easy.



## CARING FOR SMITH & HAWKEN UMBRELLAS

### Using Umbrellas

Umbrellas should not be used in windy conditions and should always be closed or removed from tables when not in use. A bolt-down deck or base should be used with dining tables to stabilize umbrellas. Do not use umbrellas as free-standing, unless properly supported with a base.

### Caring for Umbrellas

To clean umbrella canopies, it's best to clean the fabric while attached to the frame.

- Spot wash by sponging briskly with a solution of natural soap in lukewarm water. Rinse thoroughly with clean water to remove soap; then allow to air dry.
- For stubborn stains or suntan lotion, use fabric spot remover. Follow the directions on the container and test on a small area before applying to the stain. Rinse thoroughly with clean water and allow to air dry.
- To clean mildew stains, prepare a mild solution of one-cup bleach and two capfuls of natural soap per gallon of water. Spray on area and allow to soak in. If necessary, scrub vigorously with a sponge or clean rag. Sponge thoroughly with clean water and allow to air dry.
- An umbrella cover is available so umbrella doesn't need to be moved indoors when not in use.

# SMITH & HAWKEN CUSHIONS

Generously stuffed with foam and fiberfill, our cushions hold their shape over time and make outdoor furniture a comfortable place to linger. Our cushions are covered with a durable acrylic fabric called Sunbrella®, which withstands extremes of sunlight, temperature and moisture, and won't fade or mildew. The fabric is made using 100% solution-dyed yarns, so the color can't fade or wash out.

Our cushions are made to order and come in a wide variety of traditional and designer fabrics.

## Caring for Smith & Hawken Cushions

- Covers unzip for washing with a mild detergent.
- Rinse completely and allow to air dry.
- Spot wash by sponging briskly with a solution mild soap in lukewarm water. Rinse thoroughly with clean water to remove soap; then allow to air dry.
- For stubborn stains, use fabric spot remover. Follow the directions on the container and test on a small area of the fabric before applying to stain. Rinse thoroughly with clean water and allow to air dry.
- To clean mildew stains, prepare a mild solution of one-cup bleach and two capfuls of natural soap per gallon of water. Spray on area and allow to soak in. If necessary, scrub vigorously with a sponge or clean rag. Sponge thoroughly with clean water and allow to air dry.
- Cushions should be covered or taken indoors in inclement weather.





# SMITH & HAWKEN FURNITURE COVERS

Furniture covers are an easy way to protect an outdoor furniture investment. They shield furniture from rain, snow, sun, tree sap, birds and leaf stains.

Our furniture covers are sewn from tough, waterproof vinyl, lined with 12-gauge polyester and reinforced with heat-sealed seams. They are vented to prevent mildew, and have ties for wind-resistant closure. All covers have mesh venting to allow wind to pass through them, preventing mildew on the furniture beneath.

Our covers are tailored to the dimensions of chairs, chaises and sofas we sell; the covers fit other standard seating furniture sizes as well.

Available for chairs, benches, chaises, table sets, and sofas—and even include special sizes for umbrellas, firepits, barbecue grills and cushions.

## Caring for Smith & Hawken Furniture Covers

Our furniture covers practically care for themselves while protecting the furniture underneath. They may be hosed or wiped clean, and can be easily folded and stored when not in use.



# SMITH & HAWKEN

## FURNITURE GLOSSARY

**Aluminum** – Lightweight and strong metal. Under normal conditions, is immune to corrosion. Silvery in color, easily coated, it is an ideal material for furniture.

**Anodized** – To coat (a metallic surface) electrolytically with a protective or decorative oxide.

**Cast/Casting** – The process of pouring molten metal into a mold so that the cooled, solid metal retains the shape of the mold.

**Cells** – A microscopic subdivision of wood. Wood stuff and parts surrounded by a cell wall made of cellulose. Mostly filled with natural oil.

**Checking** – Checking is the opening of the grain as a result of changes in temperature and humidity; minor checking is a natural process and does not affect the structural integrity or strength of the furniture.

**Dowel** – A piece of wood made round, about the size of a pencil.

**End Grain** – The exposed ends of the long fibers of wood. Typically on the ends of arms or legs or slats. Because that is where moisture content can change most rapidly that is where checking occurs.

**Fasteners** – Screws or bolts used to join or fasten parts together. Typically metal but wooden dowels could be called fasteners.

**Finger Joint** – A strong joint that is comprised of interlocking fingers to increase the surface area for gluing. Finger joints are used in the back legs and curving back rails of some of our pieces because it saves lumber. We use shorter narrower straight pieces to make up the curve instead of one long wide piece.

**First Growth** – Trees that occur naturally and are then cut for lumber. "Virgin" timber or forests. We do not use First Growth teak for environmental reasons.

**Forged/Forging** – Metal is heated and then hammered and bent into the desired shape and form by master craftsmen. This process allows for different styles and strong, sturdy furniture.

**Galvanized/Galvanizing** – A coating of zinc applied to steel to protect it from rust and corrosion. The best and thickest zinc coatings are applied by hot dipping - immersing the piece in molten zinc.

**Grain** – The visible fibrous structure of wood. Note that the strength of wood varies with the direction of the grain. It is stronger when the grain runs long ways.

**Grit** – A measurement of the fineness or coarseness of the “sand” on sandpaper. The larger the number the finer the “grit”. 80 grit is coarser than 120 grit.

**Hardwood** – A lumber classification for commercial purposes. Wood that comes from deciduous or broadleaf trees. Softwoods are woods that come from evergreen trees. The hardness of the wood is not indicated by the title. Some hardwoods are not as hard or durable as softwoods.

**Heartwood** – Wood that comes from the center of the tree and contains no Sapwood. It is always the most durable part of the tree and the strongest.

**Iron** – A mixture of metal alloys, Iron is the most abundant metal on earth. Strong, sturdy and malleable, it is well-suited to forging for outdoor furniture.

**Joined** – Woodworker's term for fitting two pieces of wood together.

**Knees/Brackets** – The almost triangular shaped pieces of wood that fit in the corner of the front leg and seat support. These elements are largely decorative in our furniture.

**Knot** – A swirling spot of grain in lumber where a limb once grew. Knots can become loose and fall out and the wood that grows around them may be weaker, therefore they are not allowed in “select furniture grade teak”.

**Laminated** – Multiple thin layers of wood glued together. In our furniture a very few curved parts such as legs have been laminated but the grain of layers is always parallel.

**Marine Grade** – Of a quality suitable to withstand the rigors of use at sea.

**Milled** – Lumber that has been surfacing or machined. Run through a mill. To shape or make smooth.

**Mortise and Tenon** – A joint that uses a projecting piece called a tenon on one half to fit into a cavity called a Mortise on the other half. Incredibly strong and long lasting.

**Murphy's Oil Soap** – A brand name of a mild soap. We use it to mean any good mild soap based cleanser.

**Peg** – Another term for dowel, used to lock the mortise and tenon joint together.

**Plantation Grown** – Cut from tree farms, planted trees for the purpose of later harvesting.

**Powder-coating** – Powder coating is an application process that uses dry powder instead of liquid based paints. The powders used can be any of a number of things including polyester and epoxy. They go on as a powder, which sticks to the object to be coated, and then is melted and fused on by passing object through an oven.

**Rotation** – The interval between harvests. The length of time it takes for a tree to mature. On Java the normal rotation is about 80 years.

**Rungs** – Normally round stretchers that join legs together for bracing chairs.

**Sanding Block** – A flat block used under sandpaper to keep the surface being sanded even.

**Sapwood** – Wood that comes from just under the bark of the tree. Often lighter in color and more prone to decay. Our teak contains no Sapwood.

**Second Growth** – Trees that have been planted and grown for their timber. Cultivated trees.

**Select Furniture Grade** – Wood that is the highest quality. Suitable for fine furniture.

**Splitting** – Major divisions in wood along and between the grain structures. A large crack might be called a split but normally a split divides the piece of wood completely.

**Stretcher** – The horizontal frame members, front to back and side-to-side between the legs of a chair or bench. They act as braces to make the legs sturdier. Not all our designs have them.

**Steel** – Iron containing small amounts of carbon, manganese and other elements. Strong, easily shaped and abundant, it is often used for creating furniture.

**Sunbrella®** – Fabric made from tough acrylic fibers that resist stains and mildew. Made using 100% solution-dyed yarns, so the color can't fade or wash out.

**Sub-assembly** – Any of various complex parts that are made up of smaller parts permanently attached together. A back is a sub-assembly for a bench.

**Tectona Grandis** – The scientific name for teak.

**Timber** – Sawn or machined wood, for our purposes interchangeable with Lumber.

**Weathering** – To change (normally degrade) from the effects of the weather.

**Welding** – Fusing or melting together with heat, two or more pieces of metal that become as strong as if they were one.



Smith & Hawken

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